

Global Medical Drones Market Report and Forecast 2024-2032

Market Report | 2023-09-19 | 160 pages | EMR Inc.

AVAILABLE LICENSES:

- Single User License \$2999.00
- Five User License \$3999.00
- Corporate License \$5999.00

Report description:

Global Medical Drones Market Report and Forecast 2024-2032

Global Medical Drones Market Outlook

The global medical drone market size was valued at USD 343.8 million in 2023, driven by the increasing awareness among governments and the realization of the potential of medical drones across the globe. The market size is anticipated to grow at a CAGR of 18.8% during the forecast period of 2024-2032 to achieve a value of USD 1,623.6 million by 2032.

Medical Drones: Introduction

Medical drones, also known as healthcare drones or medical delivery drones, are unmanned aerial vehicles (UAVs) that are specifically designed and employed for medical purposes within the healthcare industry. These drones are used to transport medical supplies, equipment, and sometimes even patients in remote or hard-to-reach areas, during emergencies, or in situations where rapid transportation is crucial. One of the primary applications of medical drones is the delivery of critical medical supplies to remote or underserved regions. These supplies can include medications, vaccines, blood products, diagnostic samples, and emergency medical equipment. Medical drones are particularly useful in areas with poor road infrastructure or during natural disasters when traditional transportation may be disrupted.

Key Trends in the Global Medical Drones Market

Some prominent trends in the medical drone market:

- ☐ Expanded Range and Payload Capacity: Advancements in drone technology are leading to drones with longer flight ranges and increased payload capacity. This allows medical drones to transport larger quantities of medical supplies or equipment over greater distances.
- ☐ Autonomous Operation: Medical drones are becoming more autonomous, with improved navigation systems and obstacle avoidance technology. This trend enables safer and more reliable autonomous flights, reducing the need for manual piloting.
- ☐ Beyond Visual Line of Sight (BVLOS) Operations: Regulatory agencies in some regions are starting to permit BVLOS operations for drones, allowing them to fly beyond the operator's visual line of sight. This capability greatly enhances the reach and potential applications of medical drones.
- ☐ Drone ports and Infrastructure: The development of dedicated drone ports and landing infrastructure is gaining traction. These

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

facilities serve as hubs for medical drone operations, enabling efficient takeoff and landing, maintenance, and recharging.

- Medical Equipment Integration: Medical drones are increasingly designed to carry specialized medical equipment, such as defibrillators, automated external defibrillators (AEDs), and diagnostic devices, to provide real-time medical assistance at emergency scenes.

- Telemedicine Integration: Integration with telemedicine platforms allows healthcare providers to remotely communicate with patients or emergency responders using medical drones. This trend facilitates medical assessment and guidance during drone-assisted emergencies.

Global Medical Drones Market Segmentations

Market Breakup by Type

- Fixed Wing
- Rotor Drones
- Hybrid Drones

Market Breakup by Applications

- Acute Care
- Vaccination Programs
- Blood bank Transferring
- Drug/Pharmaceutical Transferring

Market Breakup by End User

- Government Organizations
- Emergency Medical Services
- Blood Banks
- Others

Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Global Medical Drones Market Overview

Drivers contributing to the growth and development of the medical drone market include:

- Rapid Response in Emergencies: Medical drones can significantly reduce response times during medical emergencies, such as accidents, cardiac arrests, and natural disasters. The ability to quickly deliver life-saving medical supplies or equipment to remote or disaster-affected areas is a critical driver.
- Improved Access to Healthcare: In remote or underserved regions with limited access to healthcare facilities, medical drones can bridge the gap by delivering medications, vaccines, and essential medical supplies. This improved access can help reduce healthcare disparities and improve overall health outcomes.
- Enhanced Patient Care: Drones equipped with telemedicine capabilities enable healthcare providers to remotely assess and provide medical guidance to patients in real-time. This can be especially valuable for diagnosing and treating patients in inaccessible or rural areas.
- Cost Efficiency: In some cases, medical drones can offer cost-effective solutions for medical transport and supply delivery, especially in regions with challenging terrain or limited transportation infrastructure. They can reduce the need for expensive ground transportation or manned flights.
- Organ Transplantation: Medical drones designed for organ transport can extend the distance over which organs can be safely and

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

rapidly delivered for transplantation. This driver has the potential to save lives by expanding the pool of available organs.

Medical Drones Market: Competitor Landscape

The key features of the market report include patent analysis, grants analysis, clinical trials analysis, funding and investment analysis, partnerships, and collaborations analysis by the leading key players. The major companies in the market are as follows:

- Zipline International Inc.
- DHL
- Volocopter GmbH.
- Volansi, Inc.
- Embention
- Flirtey
- Matternet
- Vayuvision
- Flytrex Inc.,
- AT&T Intellectual Property

We at Expert Market Research always strive to provide you with the latest information. The numbers in the article are only indicative and may be different from the actual report.

Table of Contents:

1	Preface
1.1	Objectives of the Study
1.2	Key Assumptions
1.3	Report Coverage - Key Segmentation and Scope
1.4	Research Methodology
2	Executive Summary
3	Global Medical Drones Market Overview
3.1	Global Medical Drones Market Historical Value (2017-2023)
3.2	Global Medical Drones Market Forecast Value (2024-2032)
4	Global Medical Drones Market Landscape
4.1	Global Medical Drones Developers Landscape
4.1.1	Analysis by Year of Establishment
4.1.2	Analysis by Company Size
4.1.3	Analysis by Region
4.2	Global Medical Drones Product Landscape
4.2.1	Analysis by Product Type
4.2.2	Analysis by Technology
4.2.3	Analysis by Applications
5	Global Medical Drones Market Dynamics
5.1	Market Drivers and Constraints
5.2	SWOT Analysis
5.3	Porter's Five Forces Model
5.4	Key Demand Indicators
5.5	Key Price Indicators
5.6	Industry Events, Initiatives, and Trends
5.7	Value Chain Analysis
6	Global Medical Drones Market Segmentation

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6.1Global Medical Drones Market by Type
 - 6.1.1Market Overview
 - 6.1.2Fixed Wing
 - 6.1.3Rotor Drones
 - 6.1.4Hybrid Drones
- 6.2Global Medical Drones Market by Applications
 - 6.2.1Market Overview
 - 6.2.2Acute Care
 - 6.2.3Vaccination Programs
 - 6.2.4Blood bank Transferring
 - 6.2.5Drug/Pharmaceutical Transferring
- 6.3Global Medical Drones Market by End User
 - 6.3.1Market Overview
 - 6.3.2Government Organizations
 - 6.3.3Emergency Medical Services
 - 6.3.4Blood Banks
 - 6.3.5Others
- 6.4Global Medical Drones Market by Region
 - 6.4.1Market Overview
 - 6.4.2North America
 - 6.4.3Europe
 - 6.4.4Asia Pacific
 - 6.4.5Latin America
 - 6.4.6Middle East and Africa
- 7North America Medical Drones Market
 - 7.1Market Share by Country
 - 7.2United States of America
 - 7.3Canada
- 8Europe Medical Drones Market
 - 8.1Market Share by Country
 - 8.2United Kingdom
 - 8.3Germany
 - 8.4France
 - 8.5Italy
 - 8.6Others
- 9Asia Pacific Medical Drones Market
 - 9.1Market Share by Country
 - 9.2China
 - 9.3Japan
 - 9.4India
 - 9.5ASEAN
 - 9.6Australia
 - 9.7Others
- 10Latin America Medical Drones Market
 - 10.1Market Share by Country
 - 10.2Brazil
 - 10.3Argentina

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 10.4Mexico
- 10.5Others
- 11Middle East and Africa Medical Drones Market
 - 11.1Market Share by Country
 - 11.2Saudi Arabia
 - 11.3United Arab Emirates
 - 11.4Nigeria
 - 11.5South Africa
 - 11.6Others
- 12Patent Analysis
 - 12.1Analysis by Type of Patent
 - 12.2Analysis by Publication year
 - 12.3Analysis by Issuing Authority
 - 12.4Analysis by Patent Age
 - 12.5Analysis by CPC Analysis
 - 12.6Analysis by Patent Valuation
 - 12.7Analysis by Key Players
- 13Grants Analysis
 - 13.1Analysis by year
 - 13.2Analysis by Amount Awarded
 - 13.3Analysis by Issuing Authority
 - 13.4Analysis by Grant Application
 - 13.5Analysis by Funding Institute
 - 13.6Analysis by NIH Departments
 - 13.7Analysis by Recipient Organization
- 14Funding Analysis
 - 14.1Analysis by Funding Instances
 - 14.2Analysis by Type of Funding
 - 14.3Analysis by Funding Amount
 - 14.4Analysis by Leading Players
 - 14.5Analysis by Leading Investors
 - 14.6Analysis by Geography
- 15Partnership and Collaborations Analysis
 - 15.1Analysis by Partnership Instances
 - 15.2Analysis by Type of Partnership
 - 15.3Analysis by Leading Players
 - 15.4Analysis by Geography
- 16Regulatory Framework
 - 16.1Regulatory Overview
 - 16.1.1US FDA
 - 16.1.2EU EMA
 - 16.1.3INDIA CDSCO
 - 16.1.4JAPAN PMDA
 - 16.1.5Others
- 17Supplier Landscape
 - 17.1Zipline International Inc.
 - 17.1.1Financial Analysis

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 17.1.2Product Portfolio
- 17.1.3Demographic Reach and Achievements
- 17.1.4Mergers and Acquisition
- 17.1.5Certifications
- 17.2DHL
- 17.2.1Financial Analysis
- 17.2.2Product Portfolio
- 17.2.3Demographic Reach and Achievements
- 17.2.4Mergers and Acquisition
- 17.2.5Certifications
- 17.3Volocopter GmbH.
- 17.3.1Financial Analysis
- 17.3.2Product Portfolio
- 17.3.3Demographic Reach and Achievements
- 17.3.4Mergers and Acquisition
- 17.3.5Certifications
- 17.4Volansi, Inc.
- 17.4.1Financial Analysis
- 17.4.2Product Portfolio
- 17.4.3Demographic Reach and Achievements
- 17.4.4Mergers and Acquisition
- 17.4.5Certifications
- 17.5Embention
- 17.5.1Financial Analysis
- 17.5.2Product Portfolio
- 17.5.3Demographic Reach and Achievements
- 17.5.4Mergers and Acquisition
- 17.5.5Certifications
- 17.6Flirtey
- 17.6.1Financial Analysis
- 17.6.2Product Portfolio
- 17.6.3Demographic Reach and Achievements
- 17.6.4Mergers and Acquisition
- 17.6.5Certifications
- 17.7Matternet
- 17.7.1Financial Analysis
- 17.7.2Product Portfolio
- 17.7.3Demographic Reach and Achievements
- 17.7.4Mergers and Acquisition
- 17.7.5Certifications
- 17.8Vayuvision
- 17.8.1Financial Analysis
- 17.8.2Product Portfolio
- 17.8.3Demographic Reach and Achievements
- 17.8.4Mergers and Acquisition
- 17.8.5Certifications
- 17.9Flytrex Inc.,

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 17.9.1Financial Analysis
- 17.9.2Product Portfolio
- 17.9.3Demographic Reach and Achievements
- 17.9.4Mergers and Acquisition
- 17.9.5Certifications
- 17.10AT&T Intellectual Property.
- 17.10.1Financial Analysis
- 17.10.2Product Portfolio
- 17.10.3Demographic Reach and Achievements
- 17.10.4Mergers and Acquisition
- 17.10.5Certifications
- 18Global Medical Drones Market - Distribution Model (Additional Insight)
- 18.1Overview
- 18.2Potential Distributors
- 18.3Key Parameters for Distribution Partner Assessment
- 19Key Opinion Leaders (KOL) Insights (Additional Insight)
- 20Company Competitiveness Analysis (Additional Insight)
- 20.1Very Small Companies
- 20.2Small Companies
- 20.3Mid-Sized Companies
- 20.4Large Companies
- 20.5Very Large Companies
- 21Payment Methods (Additional Insight)
- 21.1Government Funded
- 21.2Private Insurance
- 21.3Out-of-Pocket

*Additional insights provided are customisable as per client requirements.

Global Medical Drones Market Report and Forecast 2024-2032

Market Report | 2023-09-19 | 160 pages | EMR Inc.

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$2999.00
	Five User License	\$3999.00
	Corporate License	\$5999.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

☐ ** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-05-07"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com